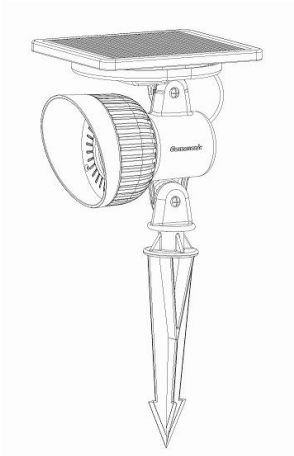
GAMA SONIC®
MAKES SOLAR LIGHTS BRIGHTER

Progressive Solar Spot Light

US Patent# _____

Instruction Manual

Model: GS-103



Introduction

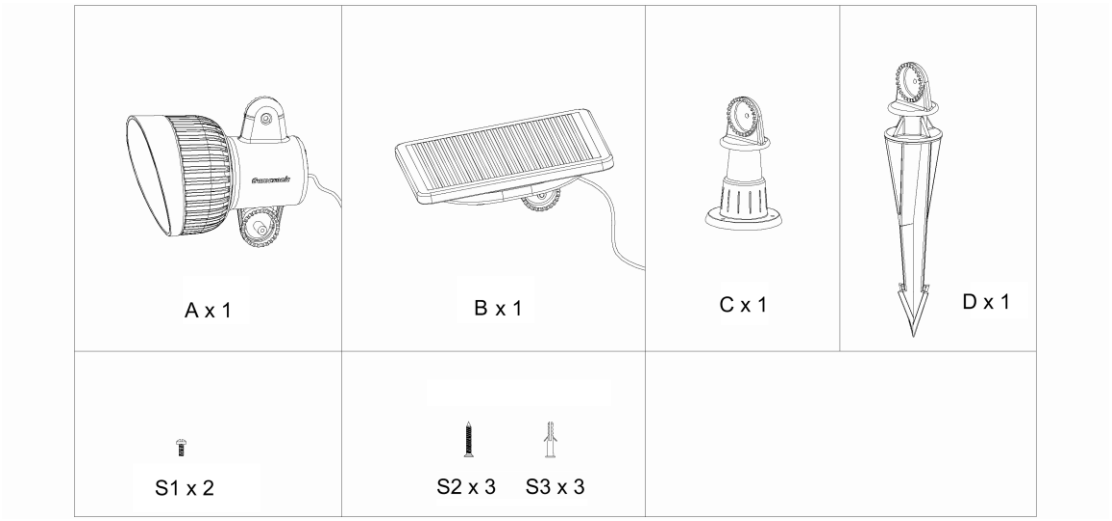
Thank you for your purchase. **GAMA SONIC®** solar charged accent lighting eliminates the problems associated with most solar lighting available today. **GAMA SONIC®** solar charged lights are brighter and last all night with a typical solar charge. Unique design, superior light output and numerous installation options confirm the outstanding value of our product.

GAMA SONIC® has been recognized as a worldwide leader in the lighting industry for over 20 years. The company also offers unique multi-purpose rechargeable products that range from party lights to emergency lighting products.

For technical assistance and more information call our Toll Free number: 800-835-4113 (only within the US) or visit our website at: www.gamasonic.com.

Please read the instruction manual carefully to obtain the best results from your purchase.

Unpack the package and identify the following parts:



Solar Light Location

1. Place the solar spot light in a position where sunlight will reflect on the solar panel free from cover and shade.
2. Make sure that the solar panel is not going to be affected by any other light source. Otherwise the light will not illuminate at dusk.

Assembly Instructions (solar panel and light together)

1. Assemble the Stack (D) **or** the Base bracket (C) into the body unit (A) using the screw (S1) and nut provided as shown in Figure 1 (Stack) or Figure 2 (Base).
2. Assemble the solar panel (B) into the body unit (A) using the screw (S1) and nut provided (as shown in Figure 1).
3. Carefully insert the unit into the ground where desired.

FIGURE 1

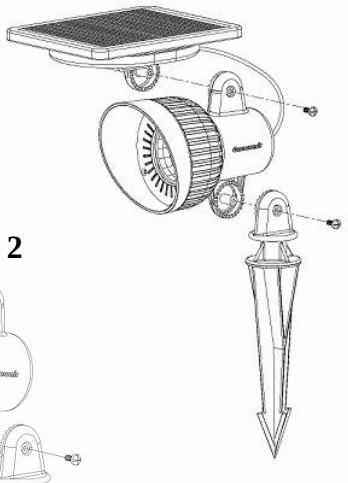
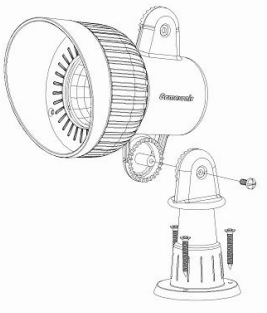


FIGURE 2



NOTE: If the ground is hard and packed, moisten the ground with water before inserting the stake (to avoid breakage). Use a rubber mallet (not included), if necessary, to gently tap stake into ground.

Assembly Instructions (solar panel and light separated)

In case you need to install the solar panel remotely to expose it better to the sun, follow below instruction.

FIGURE 3

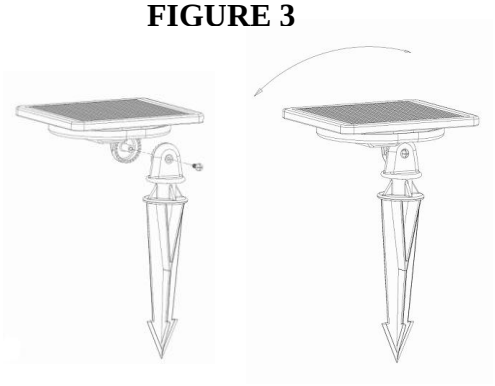


FIGURE 4

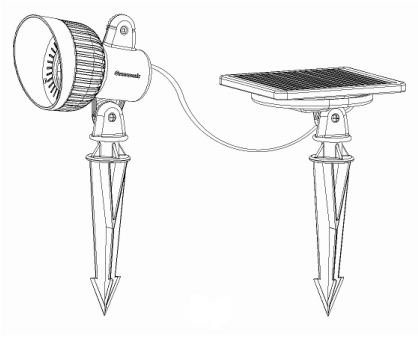
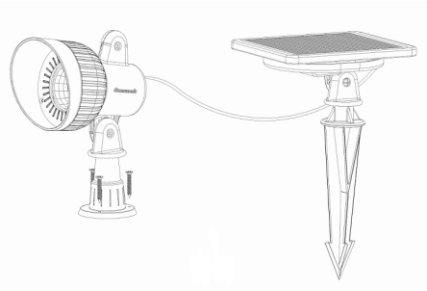


FIGURE 5



1. Before installing the solar panel in a remote location, unpack the extension electric wire under the solar panel to the desire length.

2. Assembly the solar panel (B) into the mounting pole (D) using the screw provided as shown in Figure 3.

3. Assemble the Stack (D) **or** the Base bracket (C) into the body unit (A) using the screw (S1) and nut provided as shown in Figure 1 (Stack) or Figure 2 (Base).
4. Assemble the solar panel (B) into the body unit (A) using the screw (S1) and nut provided (as shown in Figure 1).
5. Carefully insert the unit into the ground where desired

Note: 45 degree toward the south is the recommended angle and direction in North America to absorb maximum sun energy during the day.

Operation

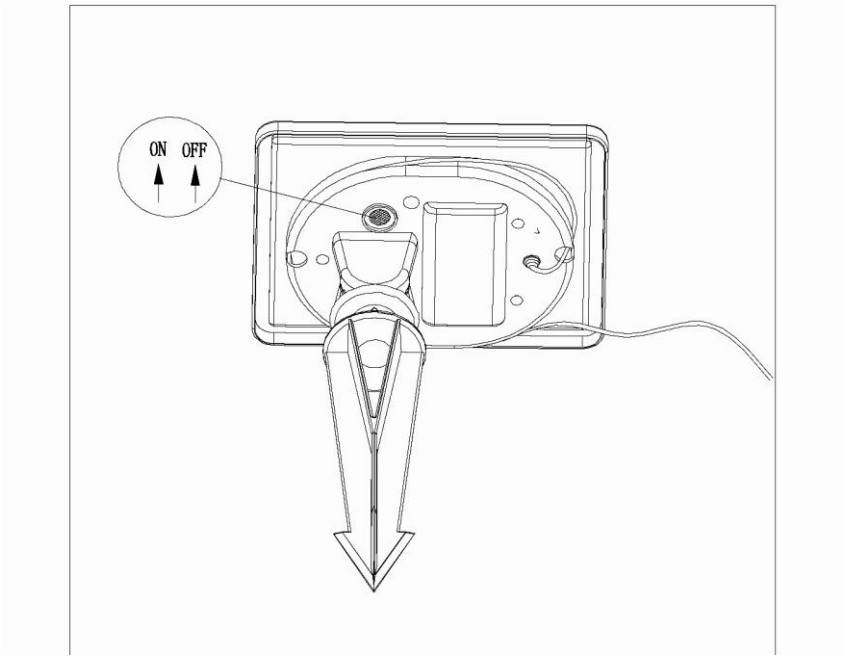


FIGURE 6

Turn the On\Off switch to ON position by clicking the button. (as shown in figure 6).

Adjustable Lens - Focus

You can adjust the focus of the light by moving the lens in and out as shown in Figure 7.

1. Unscrew screw F until you can move the lens easily to the desired position. Screws back screw F to tighten the lens.

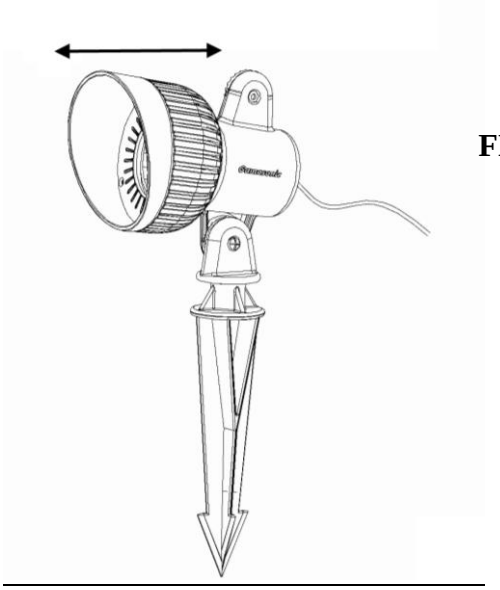


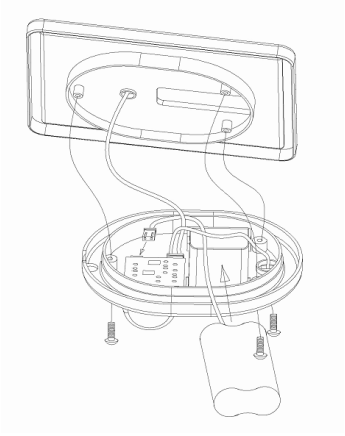
FIGURE 7

NOTE: The solar light must be charged for two sunny days for best results.

Replacing the Batteries

(After several years of use, the batteries may need replacing).

FIGURE 8



1. Release the 3 screws on backside of the solar panel (As shown in Figure 8).
2. Remove the old Batteries. Make sure the new battery pack is high quality Li-ion rechargeable batteries.
3. Plug the new battery pack into the battery compartment.
4. Reassemble the unit by reversing the above procedure.

WARNING: Do not dispose of Li-Ion battery in the regular trash, municipal waste stream or by fire as batteries may leak or explode. Do not open, short circuit, or mutilate batteries as injury may occur. Preserve our environment by recycling Li-Ion batteries or disposing of them in accordance with local, State and federal regulations. Do not mix old and new batteries.

Maintenance

Clean the solar module regularly with a damp towel to guarantee optimum performance of the solar panel. Do not use any type of solvent for cleaning and be careful not to put too much pressure on the module while cleaning.

Trouble Shooting

If your solar charged light does not come on at dusk despite observance of all the instructions, please try the following steps:

1. Make sure that the solar light is not being affected by any other light source.
2. Ensure the solar light is not positioned in the shade during the day.
3. Make sure the switch is in “AUTO” position.
4. Check that the batteries are installed correctly.

NOTE: The performance of the solar lamp will vary with the time of year. It will deliver more light when it has had a full day in the sun rather than a day in overcast weather.

WINTERTIME TIPS: For optimal performance, be sure to remove any snow or debris accumulation from solar panel. A solar panel free of debris will charge the batteries much more efficiently.

WARNING: Please keep out of reach of children.